

**Abstract**

1       A method of coherently provisioning one or more paths through a transport network *is*  
2 *disclosed*. In other words, none of the traffic paths are provisioned *unless* all of the traffic paths can  
3 be provisioned. All of the nodes in one or more transport networks are listed that must be configured  
4 to provision all of the proposed traffic paths, and all of the nodes are checked, *one after another*, to  
5 ensure that each node can, in fact, provide all of the resources needed to establish all of the proposed  
6 traffic paths before any of the traffic paths are actually provisioned. As each node is visited, the set-up  
7 message directs each node to reserve, but not actually provision, the resources to be provided by that  
8 node for all of the proposed traffic paths. When all of the nodes have been visited, the set-up message  
9 re-visits each node and directs each node to actually provision the resources that had been previously  
10 reserved.